

## LITTLE COLORADO RIVER BASIN

09383600 FISH CREEK NEAR EAGAR, AZ

LOCATION.--Lat 34°04'35", long 109°27'45", in SW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub>, sec.23, T.8 N., R.27 E., Apache County, Hydrologic Unit 15020001, at State Highway 73, 10.5 mi west of Eagar.

DRAINAGE AREA.--16.9 mi<sup>2</sup>, of which 2.5 mi<sup>2</sup> is noncontributing.

### Annual peak discharges

Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes	Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes
1963	08-21-63	168		1970	00-00-70	3.0	ES
1964	08-01-64	236		1971	00-00-71	3.0	LT
1965	07-25-65	81		1972	00-00-72	0	
1966	04-03-66	48		1973	04-00-73	153	
1967	09-05-67	139		1974	00-00-74	3.0	ES
1968	00-00-68	45		1975	09-07-75	81	
1969	09-08-69	215					

Magnitude and probability of instantaneous peak flow based on period of record 1963-75

Discharge, in ft <sup>3</sup> /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2	5	10	25	50†	100†
50%	20%	10%	4%	2%	1%
74.5	159	227	325	403	485
Weighted skew	(logs) =	-0.42			
Mean	(logs) =	1.84			
Standard dev.	(logs) =	0.42			

† Reliability of values in column is uncertain, and potential errors are large.

### Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	<u>Rainfall intensity, 24-hour</u>	
						2-year (in)	50-year (in)
164	8.1	9,160	38.0	3.0	26.1	1.8	4.2

